

09/743617

JOHNSON PCT/PTO 10 JAN 2001

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re : Application of Ko et al.  
For : SELF POWERED TIRE REVOLUTION COUNTER  
Serial No. :  
Filed : Concurrently herewith  
Group Art Unit :  
Examiner :  
Our Docket No. : DN1999138USA

S. Johnson  
4/9  
4-20-01

January 10, 2001

ASSISTANT COMMISSIONER OF  
PATENTS  
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Please amend the referenced application as follows:

IN THE CLAIMS

Please amend the claims as follows:

1. (Amended) Piezoelectric-powered tire revolution counter [(400)], including:  
a piezoelectric element [(200, 220, 340, 340', 440)] mounted in a pneumatic tire  
in a manner to be subjected to periodic mechanical stresses as the tire [(104, 304)] rotates;  
power circuitry [(450)] connected to the piezoelectric element and having an  
output for supplying a DC voltage [(V<sub>dd</sub>)] to power circuitry of the revolution counter; and  
a revolution counting circuit [(460/470/480/490)] connected to the piezoelectric  
element;  
characterized in that:  
the piezoelectric element is in the form of a circular unimorph [(340')].

2. (Amended) Piezoelectric-powered tire revolution counter, according to claim 1,  
wherein: